

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 15-25

A

Abbott, D. C., 25:113-50
 Abt, H. A., 21:343-72
 Adams, F. C., 25:23-81
 Aizenman, M. L., 16:215-40
 Akasofu, S.-I., 20:117-38
 Allen, R. J., 16:103-39
 Ambartsumian, V. A., 18:1-13
 Angel, J. R. P., 16:487-519;
 18:321-61
 Athanassoula, E., 23:147-68

B

Backer, D. C., 24:537-75
 Bahcall, J. N., 16:241-64;
 24:577-611
 Bahcall, N. A., 15:505-40
 Balick, B., 20:431-68
 Baliunas, S. L., 23:379-412
 Baym, G., 17:415-43
 Beckwith, S., 20:163-90
 Beichman, C. A., 25:521-63
 Bignami, G. F., 21:67-108
 Binney, J., 20:399-429
 Boesgaard, A. M., 23:319-78
 Böhm-Vitense, E., 19:295-318
 Borra, E. F., 20:191-220
 Bosma, A., 23:147-68
 Bracewell, R. N., 17:113-34
 Bradt, H. V. D., 21:13-66
 Brault, J. W., 22:291-317
 Bridle, A. H., 22:319-58
 Brown, R. L., 16:445-85;
 22:223-65
 Burns, J. A., 15:97-126

C

Carbon, D. F., 17:515-49
 Carswell, R. F., 19:41-76
 Cassen, P., 15:97-126
 Cassinelli, J. P., 17:275-308
 Caughlan, G. R., 21:165-76
 Cesarsky, C. J., 18:289-319
 Chapman, C. R., 16:33-75
 Chapman, G. A., 25:633-67
 Chevalier, R. A., 15:175-96
 Chincarini, G. L., 22:445-70
 Chiosi, C., 24:329-75
 Chupp, E. L., 22:359-87
 Conti, P. S., 16:371-92;
 25:113-50

Coroniti, F. V., 15:389-436
 Coulman, C. E., 23:19-57
 Cowie, L. L., 24:499-535
 Cowling, T. G., 19:115-35;
 23:1-18
 Cox, A. N., 18:15-41
 Cox, D. P., 25:303-44

D

Davidson, K., 23:119-46
 Davis, M., 21:109-30
 Deubner, F.-L., 22:593-619
 Dravins, D., 20:61-89
 Dressler, A., 22:185-222
 Dulk, G. A., 23:169-224
 Dupree, A. K., 24:377-420

E

Edmunds, M. G., 19:77-113
 Elliot, J. L., 17:445-75
 Ellis, G. F. R., 22:157-84
 Elson, R., 25:565-601

F

Faber, S. M., 17:135-87
 Feast, M. W., 25:345-75
 Fesen, R. A., 23:119-46
 Ford, W. K. Jr., 17:189-212
 Forman, W., 20:547-85
 Fowler, W. A., 21:165-76
 Freeman, K. C., 19:319-56;
 25:603-32
 Fujimoto, M., 24:459-97

G

Gallagher, J. S., 16:171-214;
 17:135-87; 22:37-74
 Gault, D. E., 15:97-126
 Genzel, R., 25:377-423
 Giffard, R. P., 16:521-54
 Gillett, F. C., 19:411-56
 Giovanelli, R., 22:445-70
 Goldreich, P., 20:249-83
 Golub, L., 23:413-52
 Gott, J. R. III, 15:235-66
 Gough, D., 22:593-619
 Greenstein, J. L., 22:1-35
 Gursky, H., 15:541-68

H

Habing, H. J., 17:345-85
 Hansen, C. J., 16:15-32
 Harris, M. J., 21:165-76
 Harris, W. E., 17:241-74
 Hartmann, L. W., 25:271-301
 Hartmann, W. K., 16:33-75
 Haynes, M. P., 22:445-70
 Heckman, T. M., 20:431-68
 Hellings, R. W., 24:537-75
 Hermesen, W., 21:67-108
 Hillas, A. M., 22:425-44
 Ho, P. T. P., 21:239-70
 Hoag, A. A., 17:43-71
 Hodge, P. W., 19:357-72
 Hollenbach, D. J., 18:219-62
 Holt, S. S., 20:323-65
 Houck, J. R., 25:187-230
 Howard, R., 15:153-73;
 22:131-55
 Hoyle, F., 20:1-35
 Hunter, D. A., 22:37-74
 Hurford, G. J., 20:497-516
 Hut, P., 25:565-601

I

Iben, I. Jr., 21:271-342
 Inagaki, S., 25:565-601
 Ionson, J. A., 19:7-40
 Israel, F. P., 17:345-85

J

Jones, C., 20:547-85
 Joss, P. C., 22:537-92
 Joyce, R. R., 19:411-56

K

Kaler, J. B., 23:89-117
 Kellermann, K. I., 19:373-410
 Kennel, C. F., 15:389-436
 Kleinmann, S. G., 19:411-56
 Knapp, G. R., 16:445-85
 Kraft, R. P., 15:309-43
 Kuperus, M., 19:7-40

L

Labeyrie, A., 16:77-102
 Lada, C. J., 23:267-317
 Landstreet, J. D., 20:191-220

Larson, H. P., 18:43-75
 Lebofsky, M. J., 17:477-511
 Leovy, C. B., 17:387-413
 Lesh, J. R., 16:215-40
 Liebert, J., 18:363-98; 25:473-519
 Linsky, J. L., 18:439-88
 Liszt, H. S., 22:223-65
 Lizano, S., 25:23-81
 Lockman, F. J., 16:445-85
 Lubow, S. H., 19:227-93

M

Mackay, C. D., 24:255-83
 Maeder, A., 24:329-75
 Manchester, R. N., 15:19-44
 Margon, B., 22:507-36
 Mariska, J. T., 24:23-48
 Marov, M. Ya., 16:141-69
 Marsh, K. A., 20:497-516
 Mathews, W. G., 24:171-203
 Mathis, J. S., 17:73-111
 McAlister, H. A., 23:59-87
 McClintock, J. E., 21:13-66
 McCray, R., 17:213-40; 20:323-65
 McCrea, W. H., 25:1-22
 McKee, C. F., 18:219-62
 Merrill, K. M., 17:9-41
 Mestel, L., 20:191-220
 Miley, G., 18:165-218
 Moore, R., 23:239-66
 Moran, J. M., 19:231-76
 Morris, M., 20:517-45
 Morrison, D., 20:469-95
 Mould, J. R., 20:91-115

N

Narayan, R., 24:127-70
 Ness, N. F., 20:139-61
 Neugebauer, G., 25:187-230
 Newkirk, G. Jr., 21:429-67
 Nicholls, R. W., 15:197-234
 Nityananda, R., 24:127-70
 Norris, J., 19:319-56
 Noyes, R. W., 15:363-87; 25:271-301

O

Oort, J. H., 15:295-362; 19:1-5; 21:373-428
 Öpik, E. J., 15:1-17
 Osterbrock, D. E., 24:171-203

P

Pagel, B. E. J., 19:77-113
 Parker, E. N., 15:45-68
 Pauliny-Toth, I. I. K., 19:373-410

Payne-Gaposchkin, C., 16:1-13
 Pearson, T. J., 22:97-130
 Peebles, P. J. E., 21:109-30
 Perley, R. A., 22:319-58
 Pethick, C., 17:415-43
 Pettengill, G. H., 16:265-92
 Phillips, T. G., 20:285-321
 Pipher, J. L., 16:335-69
 Podosek, F. A., 16:293-334
 Pollack, J. B., 22:389-424
 Popper, D. M., 18:115-64
 Pringle, J. E., 19:137-62
 Probst, R. G., 25:473-519

R

Rabin, D., 23:239-66
 Racine, R., 17:241-74
 Rappaport, S. A., 22:537-92
 Raymond, J. C., 22:75-95
 Readhead, A. C. S., 22:97-130
 Rees, M. J., 22:471-506
 Reid, M. J., 19:231-76
 Renzini, A., 21:271-342
 Reynolds, R. J., 25:303-44
 Rickard, L. J., 20:517-45
 Rickett, B. J., 15:479-504
 Ridgway, S. T., 17:9-41; 22:291-317
 Rieke, G. H., 17:477-511
 Rosner, R., 16:393-428; 23:413-52

S

Salpeter, E. E., 15:267-93
 Sandage, A., 24:421-58
 Savage, B. D., 17:73-111
 Schwartz, D. A., 15:541-68
 Schwartz, R. D., 21:209-37
 Sellwood, J. A., 25:151-86
 Shu, F. H., 19:277-93; 25:23-81
 Shull, J. M., 20:163-90
 Smith, A. G., 17:43-71
 Smith, M. G., 19:41-76
 Snow, T. P. Jr., 17:213-40
 Sofue, Y., 24:459-97
 Soifer, B. T., 16:335-69; 21:177-207; 25:187-230
 Songaila, A., 24:499-535
 Spicer, D. S., 19:7-40
 Spinrad, H., 25:231-69
 Spite, F., 23:225-38
 Spite, M., 23:225-38
 Starrfield, S., 16:171-214
 Steigman, G., 23:319-78
 Stein, W. A., 21:177-207
 Stern, D. P., 20:139-61
 Stinebring, D. R., 24:285-327
 Stockman, H. S., 18:321-61
 Strom, R. G., 15:97-126
 Strömgren, B., 21:1-11

Sunyaev, R. A., 18:537-60
 Svalgaard, L., 16:429-43
 Swings, P., 17:1-7
 Syrovatskii, S. I., 19:163-229

T

Taylor, J. H., 15:19-44; 24:285-327
 Thomas, H.-C., 15:127-51
 Toomre, A., 15:437-78
 Townes, C. H., 21:239-70; 25:377-423
 Tremaine, S., 20:249-83
 Trimble, V., 25:425-72
 Tsuji, T., 24:89-125
 Tyson, J. A., 16:521-54

V

Vaiana, G. S., 16:393-428; 23:413-52
 van Altena, W. F., 21:131-64
 van der Kruit, P. C., 16:103-39
 Vauclair, G., 20:37-60
 Vauclair, S., 20:37-60
 Vaughan, A. H., 23:379-412

W

Wagner, W. J., 22:267-89
 Walker, A. R., 25:345-75
 Wannier, P. G., 18:399-437
 Watson, W. D., 16:585-615
 Weaver, T. A., 24:205-53
 Weedman, D. W., 15:69-95
 Weiss, R., 18:489-537
 Wetherill, G. W., 18:77-113
 Weymann, R. J., 19:41-76
 Whitford, A. E., 24:1-22
 Wielebinski, R., 24:459-97
 Wilcox, J. M., 16:429-43
 Williams, J. G., 16:33-75
 Withbroe, G. L., 15:363-87
 Woodward, P. R., 16:555-84
 Woody, D. P., 20:285-321
 Woolf, N. J., 20:367-98
 Woosley, S. E., 24:205-53
 Wynn-Williams, C. G., 20:587-618

Y

York, D. G., 20:221-48
 Yorke, H. W., 24:49-87

Z

Zel'dovich, Ya. B., 18:537-60
 Zimmerman, B. A., 21:165-76
 Zuckerman, B., 18:263-88
 Zwaan, C., 25:83-111

CHAPTER TITLES, VOLUMES 15-25

PREFATORY CHAPTER

About Dogma in Science and Other Recollections of an Astronomer	E. J. Öpik	15:1-17
The Development of Our Knowledge of Variable Stars	C. Payne-Gaposchkin	16:1-13
A Few Notes on My Career as an Astrophysicist	P. Swings	17:1-7
On Some Trends in the Development of Astrophysics	V. A. Ambartsumian	18:1-13
Some Notes on My Life as an Astronomer	J. H. Oort	19:1-5
The Universe: Past and Present Reflections	F. Hoyle	20:1-35
Scientists I Have Known and Some Astronomical Problems I Have Met	B. Strömgren	21:1-11
An Astronomical Life	J. L. Greenstein	22:1-35
Astronomer by Accident	T. G. Cowling	23:1-18
A Half-Century of Astronomy	A. E. Whitford	24:1-22
Clustering of Astronomers	W. H. McCrea	25:1-22

SOLAR SYSTEM ASTROPHYSICS

Mercury	D. E. Gault, J. A. Burns, P. Cassen, R. G. Strom	15:97-126
Jupiter's Magnetosphere	C. F. Kennel, F. V. Coroniti	15:389-436
The Asteroids	C. R. Chapman, J. G. Williams, W. K. Hartmann	16:33-75
Results of Venus Missions	M. Ya. Marov	16:141-69
Physical Properties of the Planets and Satellites from Radar Observations	G. H. Pettengill	16:265-92
Isotopic Structures in Solar System Materials	F. A. Podosek	16:293-334
Martian Meteorology	C. B. Leovy	17:387-413
Stellar Occultation Studies of the Solar System	J. L. Elliot	17:445-75
Infrared Spectroscopic Observations of the Outer Planets, Their Satellites, and the Asteroids	H. P. Larson	18:43-75
Formation of Terrestrial Planets	G. W. Wetherill	18:77-113
Planetary Magnetospheres	D. P. Stern, N. F. Ness	20:139-61
The Dynamics of Planetary Rings	P. Goldreich, S. Tremaine	20:249-83
The Satellites of Jupiter and Saturn	D. Morrison	20:469-95
Origin and History of the Outer Planets: Theoretical Models and Observational Constraints	J. B. Pollack	22:389-424
Comets and Their Composition	H. Spinrad	25:231-69

SOLAR PHYSICS

The Origin of Solar Activity	E. N. Parker	15:45-68
Large-Scale Solar Magnetic Fields	R. Howard	15:153-73
Mass and Energy Flow in the Solar Chromosphere and Corona	G. L. Withbroe, R. W. Noyes	15:363-87
Recent Advances in Coronal Physics	G. S. Vaiana, R. Rosner	16:393-428
A View of Solar Magnetic Fields, the Solar Corona, and the Solar Wind in Three Dimensions	L. Svalgaard, J. M. Wilcox	16:429-43
On the Theory of Coronal Heating	M. Kuperus, J. A. Isonson, D. S. Spicer	19:7-40
High Spatial Resolution Solar Microwave Observations	K. A. Marsh, G. J. Hurford	20:497-516
Variations in Solar Luminosity	G. Newkirk, Jr.	21:429-67
Solar Rotation	R. Howard	22:131-55
Coronal Mass Ejections	W. J. Wagner	22:267-89

High-Energy Neutral Radiations From the Sun	E. L. Chupp	22:359-87
Helioseismology: Oscillations as a Diagnostic of the Solar Interior	F.-L. Deubner, D. Gough	22:593-619
Radio Emission From the Sun and Stars	G. A. Dulk	23:169-224
Sunspots	R. Moore, D. Rabin	23:239-66
The Quiet Solar Transition Region	J. T. Mariska	24:23-48
Elements and Patterns in the Solar Magnetic Field	C. Zwaan	25:83-111
Variations of Solar Irradiance due to Magnetic Activity	G. A. Chapman	25:633-67
STELLAR PHYSICS		
Recent Observations of Pulsars	J. H. Taylor, R. N. Manchester	15:19-44
Secular Stability: Applications to Stellar Structure and Evolution	C. J. Hansen	16:15-32
Theory and Observations of Classical Novae	J. S. Gallagher, S. Starrfield	16:171-214
The Observational Status of β Cephei Stars	J. R. Lesh, M. L. Aizenman	16:215-40
Mass Loss in Early-Type Stars	P. S. Conti	16:371-92
Magnetic White Dwarfs	J. R. P. Angel	16:487-519
Infrared Spectroscopy of Stars	K. M. Merrill, S. T. Ridgway	17:9-41
Stellar Winds	J. P. Cassinelli	17:275-308
On the Nonhomogeneity of Metal Abundances in Stars of Globular Clusters and Satellite Subsystems of the Galaxy	R. P. Kraft	17:309-43
Physics of Neutron Stars	G. Baym, C. Pethick	17:415-43
Model Atmospheres for Intermediate- and Late-Type Stars	D. F. Carbon	17:513-49
The Masses of Cepheids	A. N. Cox	18:15-41
Stellar Masses	D. M. Popper	18:115-64
Envelopes Around Late-Type Giant Stars	B. Zuckerman	18:263-88
White Dwarf Stars	J. Liebert	18:363-98
Stellar Chromospheres	J. L. Linsky	18:439-88
Mass, Angular Momentum, and Energy Transfer in Close Binary Stars	F. H. Shu, S. H. Lubow	19:277-93
The Effective Temperature Scale	E. Böhm-Vitense	19:295-318
Element Segregation in Stellar Outer Layers	S. Vauclair, G. Vauclair	20:37-60
Photospheric Spectrum Line Asymmetries and Wavelength Shifts	D. Dravins	20:61-89
Magnetic Stars	E. F. Borra, J. D. Landstreet, L. Mestel	20:191-220
The Search for Infrared Protostars	C. G. Wynn-Williams	20:587-618
The Optical Counterparts of Compact Galactic X-Ray Sources	H. V. D. Bradt, J. E. McClintock	21:13-66
Galactic Gamma-Ray Sources	G. F. Bignami, W. Hermsen	21:67-108
Herbig-Haro Objects	R. D. Schwartz	21:209-37
Asymptotic Giant Branch Evolution and Beyond	I. Iben, Jr., A. Renzini	21:271-342
Normal and Abnormal Binary Frequencies	H. A. Abt	21:343-72
Observations of Supernova Remnants	J. C. Raymond	22:75-95
High Angular Resolution Measurements of Stellar Properties	H. A. McAlister	23:59-87
Planetary Nebulae and Their Central Stars	J. B. Kaler	23:89-117
Radio Emission From the Sun and Stars	G. A. Dulk	23:169-224
The Composition of Field Halo Stars and the Chemical Evolution of the Halo	M. Spite, F. Spite	23:225-38
Stellar Activity Cycles	S. L. Baliunas, A. H. Vaughan	23:379-412
On Stellar X-Ray Emission	R. Rosner, L. Golub, G. S. Vaiana	23:413-52
Molecules in Stars	T. Tsuji	24:89-125
The Physics of Supernova Explosions	S. E. Woosley, T. A. Weaver	24:205-53
Recent Progress in the Understanding of Pulsars	J. H. Taylor, D. R. Stinebring	24:285-327
The Evolution of Massive Stars With Mass Loss	C. Chiosi, A. Maeder	24:329-75

Mass Loss From Cool Stars	A. K. Dupree	24:377-420
The Population Concept, Globular Clusters, Subdwarfs, Ages, and the Collapse of the Galaxy	A. Sandage	24:421-58
Pulsar Timing and General Relativity	D. C. Backer, R. W. Hellings	24:537-75
Star Formation in Molecular Clouds: Observation and Theory	F. H. Shu, F. C. Adams, S. Lizano	25:23-81
Wolf-Rayet Stars	D. C. Abbott, P. S. Conti	25:113-50
Rotation and Magnetic Activity in Main-Sequence Stars	L. W. Hartmann, R. W. Noyes	25:271-301
Very Low Mass Stars	J. Liebert, R. G. Probst	25:473-519
DYNAMICAL ASTRONOMY		
Theories of Spiral Structure	A. Toomre	15:437-78
Astrometry	W. F. van Altena	21:131-64
Dynamical Evolution of Globular Clusters	R. Elson, P. Hut, S. Inagaki	25:565-601
The Galactic Spheroid and Old Disk	K. C. Freeman	25:603-32
INTERSTELLAR MEDIUM		
The Interaction of Supernovae with the Interstellar Medium	R. A. Chevalier	15:175-96
Formation and Destruction of Dust Grains	E. E. Salpeter	15:267-93
Interstellar Scattering and Scintillation of Radio Waves	B. J. Rickett	15:479-504
Radio Recombination Lines	R. L. Brown, F. J. Lockman, G. R. Knapp	16:445-85
Gas Phase Reactions in Astrophysics	W. D. Watson	16:585-615
Observed Properties of Interstellar Dust	B. D. Savage, J. S. Mathis	17:73-111
The Violent Interstellar Medium	R. McCray, T. P. Snow, Jr.	17:213-40
Compact H II Regions and OB Star Formation	H. J. Habing, F. P. Israel	17:345-85
Interstellar Shock Waves	C. F. McKee, D. J. Hollenbach	18:219-62
Cosmic-Ray Confinement in the Galaxy	C. J. Cesarsky	18:289-319
Nuclear Abundances and Evolution of the Interstellar Medium	P. G. Wannier	18:399-437
Interstellar Molecular Hydrogen	J. M. Shull, S. Beckwith	20:163-90
Herbig-Haro Objects	R. D. Schwartz	21:209-37
Interstellar Ammonia	P. T. P. Ho, C. H. Townes	21:239-70
Observations of Supernova Remnants	J. C. Raymond	22:75-95
The Influence of Environment on the H I Content of Galaxies	M. P. Haynes, R. Giovanelli, G. L. Chincarini	22:445-70
Planetary Nebulae and Their Central Stars	J. B. Kaler	23:89-117
Cold Outflows, Energetic Winds, and Enigmatic Jets Around Young Stellar Objects	C. J. Lada	23:267-317
The Dynamical Evolution of H II Regions—Recent Theoretical Developments	H. W. Yorke	24:49-87
High-Resolution Optical and Ultraviolet Absorption-Line Studies of Interstellar Gas	L. L. Cowie, A. Songaila	24:499-535
Star Formation in Molecular Clouds: Observation and Theory	F. H. Shu, F. C. Adams, S. Lizano	25:23-81
The Local Interstellar Medium	D. P. Cox, R. J. Reynolds	25:303-44
SMALL STELLAR SYSTEMS		
Consequences of Mass Transfer in Close Binary Systems	H.-C. Thomas	15:127-51
Theoretical Models of Star Formation Mass, Angular Momentum, and Energy Transfer in Close Binary Stars	P. R. Woodward	16:555-84
The Chemical Composition, Structure, and Dynamics of Globular Clusters	F. H. Shu, S. H. Lubow	19:277-93
Normal and Abnormal Binary Frequencies	K. C. Freeman, J. Norris	19:319-56
	H. A. Abt	21:343-72

Dynamical Evolution of Globular Clusters	R. Elson, P. Hut, S. Inagaki	25:565-601
THE GALAXY		
The Galactic Center	J. H. Oort	15:295-362
Cosmic-Ray Confinement in the Galaxy	C. J. Cesarsky	18:289-319
The Chemical Composition, Structure, and Dynamics of Globular Clusters	K. C. Freeman, J. Norris	19:319-56
Stellar Populations in the Galaxy	J. R. Mould	20:91-115
Gas in the Galactic Halo	D. G. York	20:221-48
The Optical Counterparts of Compact Galactic X-Ray Sources	H. V. D. Bradt, J. E. McClintock	21:13-66
Galactic Gamma-Ray Sources	G. F. Bignami, W. Hermsen	21:67-108
Sagittarius A and Its Environment	R. L. Brown, H. S. Liszt	22:223-65
Neutron Stars in Interacting Binary Systems	P. C. Joss, S. A. Rappaport	22:537-92
Star Counts and Galactic Structure	J. N. Bahcall	24:577-611
Physical Conditions, Dynamics, and Mass Distribution in the Center of the Galaxy	R. Genzel, C. H. Townes	25:377-423
The IRAS View of the Galaxy and the Solar System	C. A. Beichman	25:521-63
The Galactic Spheroid and Old Disk	K. C. Freeman	25:603-32
EXTRAGALACTIC ASTRONOMY		
Seyfert Galaxies	D. W. Weedman	15:69-95
Clusters of Galaxies	N. A. Bahcall	15:505-40
The Kinematics of Spiral and Irregular Galaxies	P. C. van der Kruit, R. J. Allen	16:103-39
Masses and Mass-to-Light Ratios of Galaxies	S. M. Faber, J. S. Gallagher	17:135-87
Globular Clusters in Galaxies	W. E. Harris, R. Racine	17:241-74
Infrared Emission of Extragalactic Sources	G. H. Rieke, M. J. Lebofsky	17:477-511
The Structure of Extended Extragalactic Radio Sources	G. Miley	18:165-218
Optical and Infrared Polarization of Active Extragalactic Objects	J. R. P. Angel, H. S. Stockman	18:321-61
Absorption Lines in the Spectra of Quasistellar Objects	R. J. Weymann, R. F. Carswell, M. G. Smith	19:41-76
Abundances in Stellar Populations and the Interstellar Medium in Galaxies	B. E. J. Pagel, M. G. Edmunds	19:77-113
Compact Radio Sources	K. I. Kellermann, I. I. K. Pauliny-Toth	19:373-410
Dynamics of Elliptical Galaxies and Other Spheroidal Components	J. Binney	20:399-429
Extranuclear Clues to the Origin and Evolution of Activity in Galaxies	B. Balick, T. M. Heckman	20:431-68
Molecular Clouds in Galaxies	M. Morris, L. J. Rickard	20:517-45
X-Ray-Imaging Observations of Clusters of Galaxies	W. Forman, C. Jones	20:547-85
Dust in Galaxies	W. A. Stein, B. T. Soifer	21:177-207
Superclusters	J. H. Oort	21:373-428
Structure and Evolution of Irregular Galaxies	J. S. Gallagher, III, D. A. Hunter	22:37-74
The Evolution of Galaxies in Clusters	A. Dressler	22:185-222
Extragalactic Radio Jets	A. H. Bridle, R. A. Perley	22:319-58
Black Hole Models for Active Galactic Nuclei	M. J. Rees	22:471-506
Shells and Rings Around Galaxies	E. Athanassoula, A. Bosma	23:147-68
Emission-Line Regions of Active Galaxies and QSOs	D. E. Osterbrock, W. G. Mathews	24:171-203
Global Structure of Magnetic Fields in Spiral Galaxies	Y. Sofue, M. Fujimoto, R. Wielebinski	24:459-97
The IRAS View of the Extragalactic Sky	B. T. Soifer, J. R. Houck, G. Neugebauer	25:187-230
Cepheids as Distance Indicators	M. W. Feast, A. R. Walker	25:345-75

Existence and Nature of Dark Matter in the Universe	V. Trimble	25:425-72
OBSERVATIONAL PHENOMENA		
Extragalactic X-Ray Sources	H. Gursky, D. A. Schwartz	15:541-68
Masses of Neutron Stars and Black Holes in X-Ray Binaries	J. N. Bahcall	16:241-64
Infrared Spectroscopic Observations of the Outer Planets, Their Satellites, and the Asteroids	H. P. Larson	18:43-75
Optical and Infrared Polarization of Active Extragalactic Objects	J. R. P. Angel, H. S. Stockman	18:321-61
Measurements of the Cosmic Background Radiation	R. Weiss	18:489-537
Preliminary Results of the Air Force Infrared Sky Survey	S. G. Kleinmann, F. C. Gillett, R. R. Joyce	19:411-56
Spectra of Cosmic X-Ray Sources	S. S. Holt, R. McCray	20:323-65
Galactic Gamma-Ray Sources	G. F. Bignami, W. Hermsen	21:67-108
The Evolution of Galaxies in Clusters	A. Dressler	22:185-222
Observations of SS 433	B. Margon	22:507-36
Recent Developments Concerning the Crab Nebula	K. Davidson, R. A. Fesen	23:119-46
The IRAS View of the Extragalactic Sky	B. T. Soifer, J. R. Houck, G. Neugebauer	25:187-230
Existence and Nature of Dark Matter in the Universe	V. Trimble	25:425-72
GENERAL RELATIVITY AND COSMOLOGY		
Recent Theories of Galaxy Formation	J. R. Gott III	15:235-66
Gravitational-Wave Astronomy	J. A. Tyson, R. P. Gifford	16:521-54
Measurements of the Cosmic Background Radiation	R. Weiss	18:489-537
Microwave Background Radiation as a Probe of the Contemporary Structure and History of the Universe	R. A. Sunyaev, Ya. B. Zel'dovich	18:537-60
The Extragalactic Distance Scale	P. W. Hodge	19:357-72
Evidence for Local Anisotropy of the Hubble Flow	M. Davis, P. J. E. Peebles	21:109-30
Alternatives to the Big Bang	G. F. R. Ellis	22:157-84
Big Bang Nucleosynthesis: Theories and Observations	A. M. Boesgaard, G. Steigman	23:319-78
Pulsar Timing and General Relativity	D. C. Backer, R. W. Hellings	24:537-75
Existence and Nature of Dark Matter in the Universe	V. Trimble	25:425-72
INSTRUMENTATION AND TECHNIQUES		
Stellar Interferometry Methods	A. Labeyrie	16:77-102
Instrumentation for Infrared Astronomy	B. T. Soifer, J. L. Pipher	16:335-69
Advances in Astronomical Photography at Low Light Levels	A. G. Smith, A. A. Hoag	17:43-71
Computer Image Processing	R. N. Bracewell	17:113-34
Digital Imaging Techniques	W. K. Ford, Jr.	17:189-212
Millimeter- and Submillimeter-Wave Receivers	T. G. Phillips, D. P. Woody	20:285-321
High Resolution Imaging from the Ground	N. J. Woolf	20:367-98
Astrometry	W. F. van Altena	21:131-64
Image Formation by Self-Calibration in Radio Astronomy	T. J. Pearson, A. C. S. Readhead	22:97-130
Astronomical Fourier Transform Spectroscopy Revisited	S. T. Ridgway, J. W. Brault	22:291-317
Fundamental and Applied Aspects of Astronomical "Seeing"	C. E. Coulman	23:19-57

High Angular Resolution Measurements of Stellar Properties	H. A. McAlister	23:59-87
Maximum Entropy Image Restoration in Astronomy	R. Narayan, R. Nityananda	24:127-70
Charge-Coupled Devices in Astronomy	C. D. Mackay	24:255-83
The Art of <i>N</i> -Body Building	J. A. Sellwood	25:151-86

PHYSICAL PROCESSES

Transition Probability Data for Molecules of Astrophysical Interest	R. W. Nicholls	15:197-234
Interstellar Shock Waves	C. F. McKee, D. J. Hollenbach	18:219-62
Nuclear Abundances and Evolution of the Interstellar Medium	P. G. Wannier	18:399-437
The Present Status of Dynamo Theory	T. G. Cowling	19:115-35
Accretion Discs in Astrophysics	J. E. Pringle	19:137-62
Pinch Sheets and Reconnection in Astrophysics	S. I. Syrovatskii	19:163-229
Masers	M. J. Reid, J. M. Moran	19:231-76
Interaction Between a Magnetized Plasma Flow and a Strongly Magnetized Celestial Body with an Ionized Atmosphere:		
Energetics of the Magnetosphere	S.-I. Akasofu	20:117-38
Interstellar Molecular Hydrogen	J. M. Shull, S. Beckwith	20:163-90
The Optical Counterparts of Compact Galactic X-Ray Sources	H. V. D. Bradt, J. E. McClintock	21:13-66
Thermonuclear Reaction Rates, III	M. J. Harris, W. A. Fowler, G. R. Caughlan, B. A. Zimmerman	21:165-76
The Origin of Ultra-High-Energy Cosmic Rays	A. M. Hillas	22:425-44
Observations of SS 433	B. Margon	22:507-36
The Physics of Supernova Explosions	S. E. Woosley, T. A. Weaver	24:205-53

